

SYSTEM AND METHOD FOR AUDIO-VISUAL CONTENT SYNTHESIS**ABSTRACT OF THE DISCLOSURE**

[0090] A system and method is provided for synthesizing audio-visual content in a video
5 image processor. A content synthesis application processor extracts audio features and
video features from audio-visual input signals that represent a speaker who is speaking.
The processor uses the extracted visual features to create a computer generated animated
version of the face of the speaker. The processor synchronizes facial movements of the
animated version of the face of the speaker with a plurality of audio logical units such as
10 phonemes that represent the speaker's speech. In this manner the processor synthesizes
an audio-visual representation of the speaker's face that is properly synchronized with
the speaker's speech.